

Title (en)
System and methods for band-limited subframes in wireless networks

Title (de)
System und Verfahren für bandbegrenzte Unterrahmen in drahtlosen Netzwerken

Title (fr)
Système et procédés de sous-trames limitées en bande dans des réseaux sans fil

Publication
EP 2852086 B1 20180725 (EN)

Application
EP 14185654 A 20140919

Priority
US 201314033104 A 20130920

Abstract (en)
[origin: EP2852086A1] Systems, methods, and apparatuses for using band-limited subframes in wireless communication networks are provided. During the band-limited subframes, the macro cell base station may mute its transmission or transmit at a low power over some frequency sub-band, while transmitting at a normal or higher power over other frequency sub-band. Correspondingly, the small cell base station may communicate with UEs within its coverage at the frequency sub-band that the macro cell base station transmits at a low power. The band-limited subframe enables the small cell base station to communicate with the UE with reduced interference, and in the meantime, increases the throughput of macro cell base station as it does not require the macro cell base station to completely mute its transmission during the band-limited subframe.

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WO 2008035171 A2 20080327 - NOKIA CORP [FI], et al

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